

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$5 \overline{)50224}$$

(2)

$$8 \overline{)55844}$$

(3)

$$8 \overline{)97840}$$

(4)

$$5 \overline{)25018}$$

(5)

$$3 \overline{)30553}$$

(6)

$$8 \overline{)66875}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $  \begin{array}{r}  10044 \text{ R4} \\  5 \overline{) 50224} \\  \underline{- 5} \qquad (1 \times 5) \\  00 \\  \underline{- 0} \qquad (0 \times 5) \\  02 \\  \underline{- 0} \qquad (0 \times 5) \\  22 \\  \underline{- 20} \qquad (4 \times 5) \\  24 \\  \underline{- 20} \qquad (4 \times 5) \\  \text{Remainder --> } 4  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  6980 \text{ R4} \\  8 \overline{) 55844} \\  \underline{- 48} \qquad (6 \times 8) \\  78 \\  \underline{- 72} \qquad (9 \times 8) \\  64 \\  \underline{- 64} \qquad (8 \times 8) \\  04 \\  \underline{- 0} \qquad (0 \times 8) \\  \text{Remainder --> } 4  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  12230 \text{ R0} \\  8 \overline{) 97840} \\  \underline{- 8} \qquad (1 \times 8) \\  17 \\  \underline{- 16} \qquad (2 \times 8) \\  18 \\  \underline{- 16} \qquad (2 \times 8) \\  24 \\  \underline{- 24} \qquad (3 \times 8) \\  00 \\  \underline{- 0} \qquad (0 \times 8) \\  \text{Remainder --> } 0  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  5003 \text{ R3} \\  5 \overline{) 25018} \\  \underline{- 25} \qquad (5 \times 5) \\  00 \\  \underline{- 0} \qquad (0 \times 5) \\  01 \\  \underline{- 0} \qquad (0 \times 5) \\  18 \\  \underline{- 15} \qquad (3 \times 5) \\  \text{Remainder --> } 3  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  10184 \text{ R1} \\  3 \overline{) 30553} \\  \underline{- 3} \qquad (1 \times 3) \\  00 \\  \underline{- 0} \qquad (0 \times 3) \\  05 \\  \underline{- 3} \qquad (1 \times 3) \\  25 \\  \underline{- 24} \qquad (8 \times 3) \\  13 \\  \underline{- 12} \qquad (4 \times 3) \\  \text{Remainder --> } 1  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  8359 \text{ R3} \\  8 \overline{) 66875} \\  \underline{- 64} \qquad (8 \times 8) \\  28 \\  \underline{- 24} \qquad (3 \times 8) \\  47 \\  \underline{- 40} \qquad (5 \times 8) \\  75 \\  \underline{- 72} \qquad (9 \times 8) \\  \text{Remainder --> } 3  \end{array}  $